

**SAFETY DATA SHEET**

**SECTION 1: IDENTIFICATION**

**PRODUCT NAME: CIPADITE<sup>®</sup> 35 PART "B"**

MANUFACTURER/SUPPLIER: ..... CPD Construction Products  
219 Connie Crescent, Unit #13  
Concord, Ontario Canada L4K 1L4

24 HOUR EMERGENCY NUMBER: ..... CANUTEC: (613) 996-6666

APPLICATION AND USE: ..... Used for bonding Portland Cement Concrete overlays to prepared concrete bases such as interior concrete floors. Also used for bonding anti-slip aggregate on concrete and bituminous concrete surfaces or for the bonding of precast concrete units, steel plates or other metal sections to concrete.

PRODUCT DESCRIPTION: ..... Two component polyamide epoxy thermosetting adhesive.

**NOTE:** There are two separate Safety Data Sheets for this product. There is one SDS for the Base Component, Part "A" and another SDS for the Hardener Component, Part "B". Read both Safety Data Sheets before using this product. This SDS is for the Hardener (Part "B") component only.

**SECTION 2: HAZARDS IDENTIFICATION**

GHS CLASSIFICATION: ..... Skin corrosion/ irritation- Category 1B; Serious eye damage/ eye irritation- Category 1; Skin sensitization- Category 1A; Respiratory sensitization- Category 1; Reproductive Toxicity- Category 1; Specific target organ toxicity, single exposure- Category 3 (Respiratory irritation);



SIGNAL WORD: ..... **DANGER**

HAZARD STATEMENTS: ..... H314 Causes severe skin burns and eye damage.  
H317 May cause allergic skin reaction.  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H335 May cause respiratory irritation.  
H360 May damage fertility or the unborn child.  
H373 May cause damage to organs through prolonged or repeated exposure.

PRECAUTIONARY STATEMENTS:  
PREVENTION ..... P201 Obtain special instruction before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P271 Use only outdoors or in a well-ventilated area.  
P260 Do not breath dust or mist.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P264 Wash thoroughly after handling.  
P280 Wear protective gloves/ clothing and eye/face protection.  
P284 (In case of inadequate ventilation) wear respiratory protection.

RESPONSE ..... P308+P313+P311 If exposed or concerned: Get medical attention/ advice. Call a POISON CENTER or doctor/ physician.  
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse  
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.  
P304 + P340 IF INHALLED: Remove person to fresh air and keep comfortable for breathing.  
P305 +P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P301+ P330 + P331 + P315 IF SWALLOWED: Rinse mouth. Do not induce vomiting. Get immediate medical advice/ attention.

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STORAGE ..... P405 Store locked up.  
P403+P233 Store in a well-ventilated place. Keep container tightly closed.

OTHER HAZARDS: ..... Ingestion can cause gastrointestinal irritation, nausea or diarrhea. Prolonged inhalation may cause adverse lung effects with symptoms including coughing, mucous production and difficulty breathing.

**SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS**

<b>Hazardous Ingredients</b>	<b>%</b>	<b>C.A.S. #</b>	<b>LD/50, Route, Species</b>	<b>LC/50, Route, Species</b>
Fatty Acids, Polymer of C-18 Unsaturated Dimers	40-50	68410-23-1	> 2000 mg/ Kg (Oral-Rat) > 2000 mg/ Kg (Dermal-Rabbit)	Not Available
Triethylene Tetramine	5-10	112-24-3	4340 mg/ Kg (Oral-Rat) 805 mg/ Kg (Dermal-Rabbit)	Not Available
Alkyl Phenol Polyamine	5-10	N/Av (mixture)	Not Available	Not Available
Aromatic Hydrocarbon	5-15	64742-94-5	>6000 mg/ Kg (Oral-Rat) >3160 mg/ Kg (Dermal-Rabbit)	17.1 mg/ L (Inh.- Rat)
Pine Oil	0.5-1.5	8002-09-3	2640 mg/ Kg (Oral-Rat)	Not Available
Tris, 2,4,6-Dimethyl Aminomethyl Phenol	0.1-1.0	90-72-2	1200 mg/ Kg (Oral-Rat)	Not Available

**SECTION 4 : FIRST-AID MEASURES**

**FIRST-AID MEASURES**

EYE CONTACT ..... Immediately call a POISON CENTRE or doctor/physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

SKIN CONTACT..... Immediately call a POISON CENTRE or doctor/physician. IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

INHALATION ..... Immediately call a POISON CENTRE or doctor/ physician. IF INHALLED: remove person to fresh air and keep comfortable for breathing. If breathing has stopped give artificial respiration. If breathing is difficult give oxygen by qualified medical personnel only.

INGESTION ..... Immediately call a POISON CENTRE or doctor/ physician. IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Never give anything by mouth to an unconscious person.

**SYMPTOMS AND EFFECTS, ACUTE OR DELAYED**

EYE CONTACT ..... Causes severe eye damage.

SKIN CONTACT ..... Harmful in contact with skin. May be absorbed through the skin. Corrosive to all tissues. Causes severe skin burns. Direct skin contact may cause corrosive skin burns, deep ulcerations and possibly permanent scarring. May cause an allergic skin reaction (e.g. swelling, rash and eczema) Allergic symptoms may develop within 12 hours after exposure.

INHALATION ..... Harmful if inhaled. May cause respiratory irritation. If mists are formed, may cause severe irritation to the nose, throat and respiratory tract. Symptoms may include coughing, chest pain and shortness of breath.

INGESTION ..... Ingestion can cause irritation and corrosive action in the mouth, stomach and digestive tract. Symptoms include: Gastrointestinal discomfort, nausea, vomiting, cramping and diarrhea. Suspected of damaging fertility or the unborn child.

IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED ..... Treat symptomatically.

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**SECTION 5: FIRE-FIGHTING MEASURES**

SUITABLE EXTINGUISHING MEDIA .....	Carbon dioxide (CO <sub>2</sub> ), dry chemical or alcohol foam.
UNSUITABLE EXTINGUISHING MEDIA .....	Do not use a solid water stream as it may scatter and spread fire.
SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE .....	Closed containers may rupture if exposed to excess heat or flame due to a build-up of internal pressure.
FLAMMABILITY CLASSIFICATION .....	Not flammable, according to OSHA 29 CFR 1910.106.
HAZARDOUS COMBUSTION PRODUCTS .....	Carbon oxides. Nitrogen oxides, Hydrogen cyanide, Ammonia, Amines, Aldehydes, Ketones and other irritating fumes and smoke.
FIRE-FIGHTERS PROTECTIVE EQUIPMENT ...	Fire-fighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots and in enclosed spaces, fire-fighters should wear an approved full face, self-contained breathing apparatus (SCBA) and impervious clothing.
SPECIAL FIRE FIGHTING PROCEDURES .....	Move containers from fire area if safe to do so. Water spray may be useful in cooling equipment exposed to heat and flame. Do not allow run-off from the firefighting to enter drains or water courses. Dike for water control.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES .....	Restrict access to area until completion of clean-up. Ensure clean-up is conducted by trained personnel only. All persons dealing with clean-up should wear the appropriate protective equipment including self-contained breathing apparatus. Refer to Section 8, EXPOSURE CONTROLS AND PERSONAL PROTECTION, for additional information on acceptable personal protective equipment.
ENVIRONMENTAL PRECAUTIONS .....	Ensure spilled product does not enter drains, sewers, waterways or confined spaces. For large spills, dike the area to prevent spreading.
METHODS AND MATERIAL FOR CONTAINMENT AND CLEAN-UP .....	Ventilate the area. Remove all sources of ignition. Stop the spill at source if it is safe to do so. Contain and absorb spilled liquid with non-combustible, inert absorbent material (e.g. sand). Pick up and transfer to properly labelled containers. Refer to Section 13 for disposal of contaminated material. Contact the proper local authorities.
SPECIAL SPILL RESPONSE PROCEDURES ...	If a spill/ release in excess of the EPA reportable quantity is made into the environment, immediately notify the national response centre or appropriate local authorities.

**SECTION 7: HANDLING AND STORAGE**

PRECAUTIONS FOR SAFE HANDLING .....	Obtain special instruction before use. Do not handle until all safety precautions have been read and understood. Use only outdoors or in a well-ventilated area. Persons with recurring skin eczema or sensitization problems should be excluded from working with this product. Once a person is sensitized, no further exposure to the material that caused the sensitization should be permitted. Wear protective gloves/ clothing and eye/ face protection. Contaminated work clothing must not be allowed out of the workplace. Do not breath dust or mist. Do not ingest. Avoid contact with eyes, skin and clothing. Do not eat, drink, smoke or use cosmetics while working with this product. Wash thoroughly after handling. Keep containers tightly closed when not in use. Keep away from extreme heat and flame. Take precautions to prevent premature mixing of components and subsequent premature curing.
CONDITIONS FOR SAFE STORAGE .....	Store locked up. Keep containers tightly closed. Store in a well-ventilated place. Store away from incompatible materials. Inspect periodically for damage or leaks. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. No smoking in the area.

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**SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

EXPOSURE LIMITS:	<u>ACGIH TLV</u>		<u>OSHA PEL</u>	
	<u>TWA</u>	<u>STEL</u>	<u>PEL</u>	<u>STEL</u>
TRIETHYLENETETRAMINE .....	1 ppm (skin) (AIHA WEEL)	N/Av	N/Av	N/Av
AROMATIC HYDROCARBON .....	N/Av	N/Av	500 ppm (2000 mg/ m <sup>3</sup> )	N/Av
EXPOSURE CONTROLS:				
VENTILATION/ ENGINEERING MEASURES:	Use only in well ventilated areas. Apply technical measures to comply with the occupational exposure limits. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.			
RESPIRATORY PROTECTION .....	If airborne concentrations are above the permissible exposure limit or are not known, use NIOSH-approved respirators. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with OSHA (29CFR 1910.134) or CSA Z94.4-02. NIOSH approved organic vapour cartridge respirators are recommended. Advice should be sought from respiratory protection specialists.			
SKIN PROTECTION .....	Wear protective gloves/ clothing. Gloves impervious to the material are recommended. Where extensive exposure to product is possible, use resistant coveralls, apron and boots to prevent contact. The suitability for a specific workplace should be discussed with the producers of the protective gloves.			
EYE/ FACE PROTECTION .....	Wear eye/ face protection. Chemical splash goggles are recommended. A full face shield may also be necessary.			
OTHER PROTECTIVE EQUIPMENT .....	An eyewash station and safety shower should be made available in the immediate working area. Other equipment may be required depending on workplace standards.			
GENERAL HYGIENE CONSIDERATIONS ....	Do not eat, drink, smoke or use cosmetics while working with this product. Do not breath dust or mist. Avoid contact with eyes, skin and clothing. Barrier creams may help to protect the exposed areas of skin; they should however not be applied once exposure has occurred. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities. Remove and wash contaminated clothing before re-use. Contaminated clothing must not be allowed out of the workplace.			

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE .....	Black Viscous Liquid
ODOUR .....	Characteristic Amine
ODOUR THRESHOLD .....	Not available
pH LEVEL .....	Not available
MELTING/ FREEZING POINT .....	Not available
BOILING POINT .....	Not available
FLASH POINT (deg C), METHOD.....	>93°C (200°F) Seta flash
AUTO IGNITION TEMPERATURE (deg C) ....	Not available
EVAPORATION RATE .....	Not available
FLAMMABILITY .....	Not applicable
VAPOUR PRESSURE .....	Not available
VAPOUR DENSITY (Air=1) (mg/m <sup>3</sup> ) .....	Not available
SPECIFIC GRAVITY @ 20°C (68°F) .....	1.14
VISCOSITY .....	5000 – 6000 cPs
VOLATILES (% by WEIGHT) .....	Not available
VOC's (Volatile Organic Compounds) .....	Not available
SOLUBILITY IN WATER (%W/W) .....	Negligible

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**SECTION 10: STABILITY AND REACTIVITY**

REACTIVITY .....	Not normally reactive.
CHEMICAL STABILITY .....	Stable under the recommended storage and handling conditions prescribed.
HAZARDOUS REACTIONS .....	Hazardous polymerization does not occur.
CONDITIONS TO AVOID .....	Avoid heat and open flame. Avoid contact with incompatible materials. Ensure adequate ventilation, especially in confined areas.
INCOMPATIBLE MATERIALS .....	Acids. Oxidizing agents. Acid chlorides. Acid anhydrides. Aldehydes. Ketones. Acrylates.
HAZARDOUS DECOMPOSITION PRODUCTS	Refer to hazardous combustion products, Section 5.

**SECTION 11: TOXICOLOGICAL INFORMATION**

LIKELY ROUTES OF EXPOSURE .....	Skin and eye contact, inhalation, ingestion.
SIGNS AND SYMPTOMS OF EXPOSURE	
SKIN CONTACT .....	Harmful in contact with skin. May be absorbed through the skin. Corrosive to all tissues. Causes severe skin burns. Direct skin contact may cause corrosive skin burns, deep ulcerations and possibly permanent scarring.
EYE CONTACT .....	Corrosive to eyes. Causes serious eye damage. Direct eye contact may produce severe irritation with possible eye damage.
INHALATION .....	May cause respiratory irritation. If mists are formed, may cause severe irritation to the nose, throat and respiratory tract. Symptoms may include coughing, chest pain and shortness of breath.
INGESTION .....	Ingestion can cause irritation and corrosive action in the mouth, stomach and digestive tract. Symptoms include: Gastrointestinal discomfort, nausea, vomiting, cramping and diarrhea.
CHRONIC HEALTH EFFECTS .....	Prolonged inhalation may cause adverse lung effects with symptoms including coughing, mucous production and difficulty breathing.
MUTAGENICITY .....	Not expected to be mutagenic in humans.
CARCINOGENICITY .....	No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP
REPRODUCTIVE EFFECTS .....	This material is classified as hazardous under U.S. OSHA regulations (29 CFR1910.1200) (Hazcom2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015) Classification: Reproductive Toxicity- Category 1 May damage fertility or the unborn child.
SENSITIZATION TO MATERIAL .....	This material is classified as hazardous under U.S. OSHA regulations (29 CFR1910.1200) (Hazcom2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015) Classification: Skin sensitization- Category 1A- May cause allergic skin reaction. Respiratory sensitization- Category 1- May cause allergy or asthma symptoms or breathing difficulties if inhaled.
SPECIFIC TARGET ORGAN EFFECTS .....	This material is classified as hazardous under U.S. OSHA regulations (29 CFR 1910.1200) (Hazcom2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015) Classification: Specific target organ toxicity, single exposure-Category 3 respiratory irritation.
MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE .....	Pre-existing skin, eye, and respiratory disorders.
TOXICOLOGICAL DATA .....	There is no data available for this product.
INGREDIENTS LD50/ LC50 DATA .....	Refer to Section 3.

**SECTION 12: ECOLOGICAL INFORMATION**

ECOTOXICITY .....	Toxic to aquatic life with long lasting effects. Do NOT allow product to come in contact with surface waters. Avoid release into environment.
PERSISTANCE AND DEGRADABILITY .....	No data is available on the product itself.
BIOACCUMULATION POTENTIAL .....	No data is available on the product itself.
MOBILITY IN SOIL .....	No data is available on the product itself.

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**SECTION 13: DISPOSAL CONSIDERATIONS**

HANDLING FOR DISPOSAL .....	Handle in accordance with good industrial hygiene and safety practice. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Refer to protective measures listed in Sections 7 and 8.
METHODS OF DISPOSAL .....	Dispose in accordance with all applicable federal, state, provincial and local regulations.

**SECTION 14: TRANSPORTATION INFORMATION**

TDG CLASSIFICATION .....	Amines, Liquid, Corrosive N.O.S. (2,4,6 Tris (Dimethylaminomethyl) Phenol) UN 2735, Class 8, PG III
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**SECTION 15: REGULATORY INFORMATION**

WHMIS CLASSIFICATION .....	Class D, Division 2, Subdivision B Class E, Corrosive
CPR (CANADA) COMPLIANCE .....	Meets all requirements.

**SECTION 16: OTHER INFORMATION**

ACGIH .....	American Confederation of Governmental Industrial Hygienists
IARC.....	International Agency for Research on Cancer
NTP.....	National Toxicology Program
STEL .....	Short Term Exposure Limit
PEL .....	Permissible Exposure Limit
TLV-TWA .....	Threshold Limit Value - Time-Weighted Average
OSHA .....	Occupational Safety and Health Administration
NIOSH .....	National Institute for Occupational Safety and Health
MSHA .....	Mine Safety and Health Administration
RCRA .....	Resource Conservation and Recovery Act
CPR .....	Controlled Products Regulations
CERCLA .....	Comprehensive Environmental Response, Compensation and Liability Act
CAS .....	Chemical Abstracts Service
PPE .....	Personal Protection Equipment
N/Av .....	Not available

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PREPARATION DATE: .....	October 8 <sup>th</sup> , 2017

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